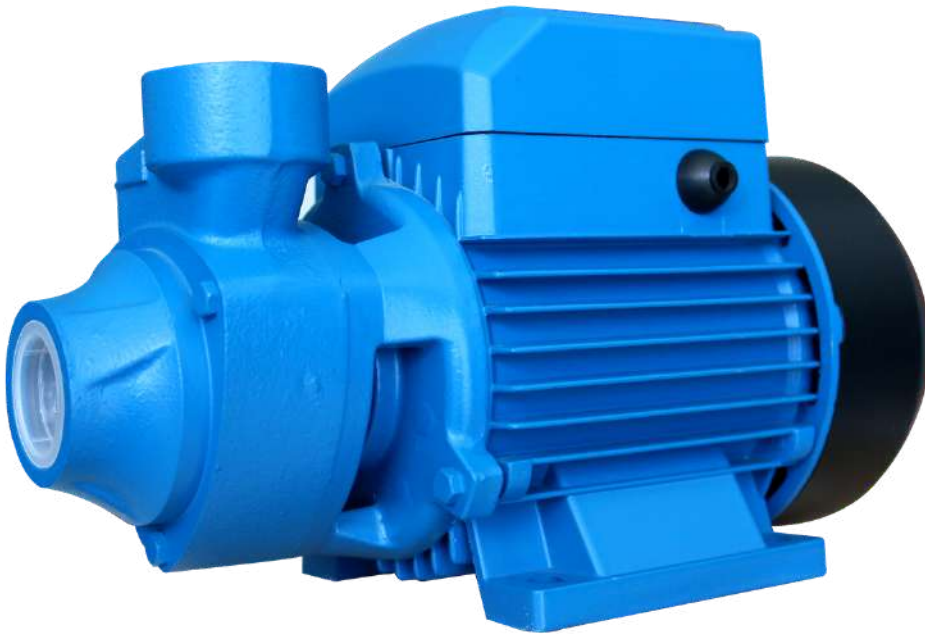




Quality, Reliability, Life

# PRAKASH CENTRIFUGAL PUMP (PCP-05)



## Applications

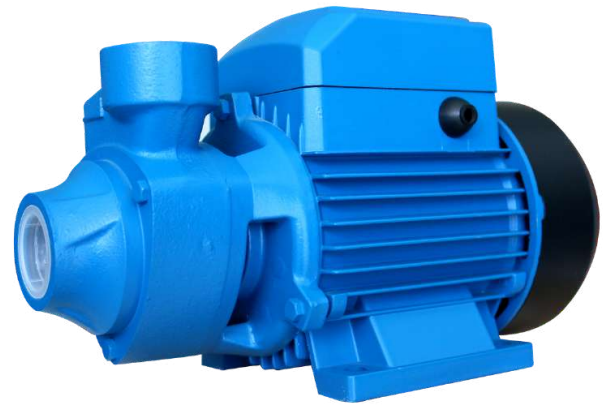
- Domestic Water Supply
- Lawn Sprinkler
- Automobile Washing
- Gardens Water Supply
- Pressure Boosting in Various Fields

## Performance Range

- Flow : 40 LPM
- Head : 40m
- Speed 2900 rpm
- Power 0.37 kW
- 50 Hz

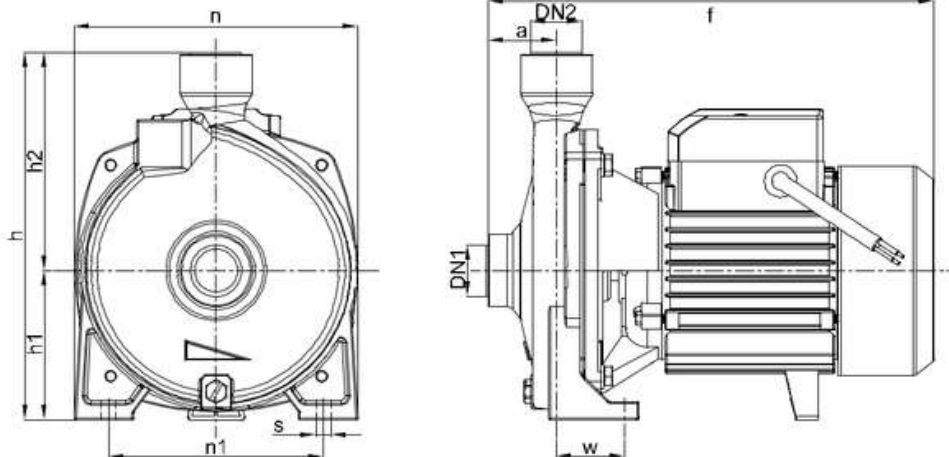
## Application Limits

- Manometric Suction Lift Up to 8m
- Liquid Temperature between 0°C to 90°C
- Ambient Temperature Up to 40°C
- Max. Working Pressure 6 Bar



## Installation in applications

Suitable for clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made. Thanks for its reliability, the fact that these pumps are easy to use and very economical, these are ideal for domestic and civil use and in particular for distributing water in combination with small and medium pressure sets, irrigation of gardens and allotment. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.



MODEL	PORTS		DIMENSIONS IN MM											KG
	DN1	DN2	a	f	h	h1	h2	h3	m	n	n1	w	s	
PCP-05	1"	1"	42	245	152	63	75	138	80	120	100	55	7	5.3

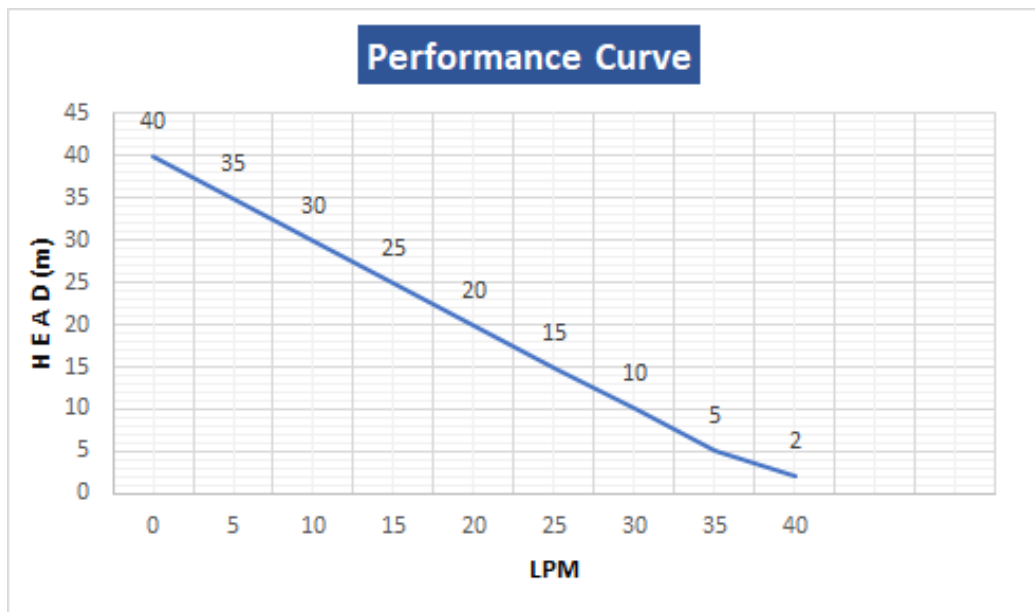
## Hydraulic Pump Performance Chart

Model	Power		Phase	Inlet / Outlet	Max. Flow (lpm)	Max. Head (m)	Max. Suction (m)
	KW	HP					
PCP-05	0.37	0.5	1 Phase	1"X1"	40	40	8

## Performance Chart

Model	Power		Q	M <sup>3</sup> /HR	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4		
	KW	HP		LPM	0	5	10	15	20	25	30	35	40		
PCP-05	0.37	0.5	H Meters	40	35	30	25	20	15	10	5	2			

## Hydraulic Performance Curve



## Lawn sprinkler application and Irrigation





Quality, Reliability, Life

# PRAKASH CENTRIFUGAL PUMP (PCP-10)



## Applications

- Domestic Water Supply
- Lawn Sprinkler
- Automobile Washing
- Gardens Water Supply
- Pressure Boosting in Various Fields

## Performance Range

- Flow : 90 LPM
- Head : 36m
- Speed 2900 rpm
- Power 0.75 kW
- 50 Hz

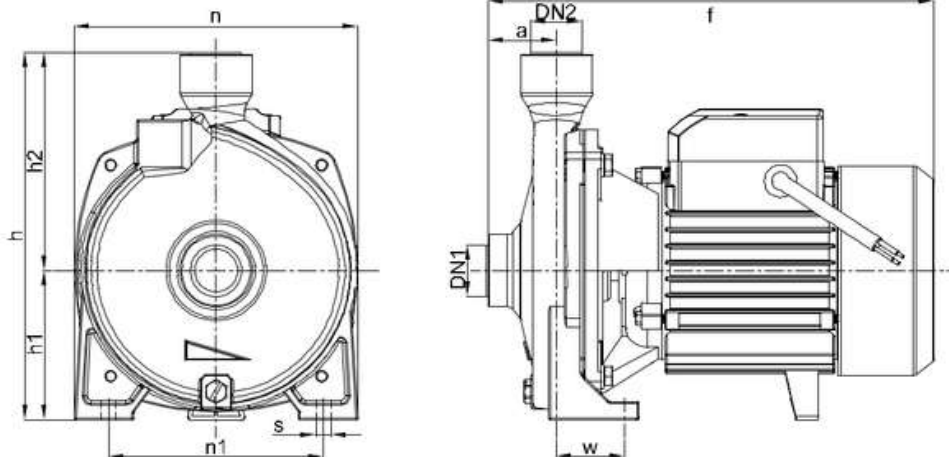
## Application Limits

- Manometric Suction Lift Up to 8m
- Liquid Temperature between 0°C to 90°C
- Ambient Temperature Up to 40°C
- Max. Working Pressure 6 Bar



## Installation in applications

Suitable for clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made. Thanks for its reliability, the fact that these pumps are easy to use and very economical, these are ideal for domestic and civil use and in particular for distributing water in combination with small and medium pressure sets, irrigation of gardens and allotment. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.



MODEL	PORTS		DIMENSIONS IN MM									KG
	DN1	DN2	a	f	h	h1	h2	n	n1	w	s	
PCP-10	1"	1"	42	285	240	92	148	190	160	38	10	12

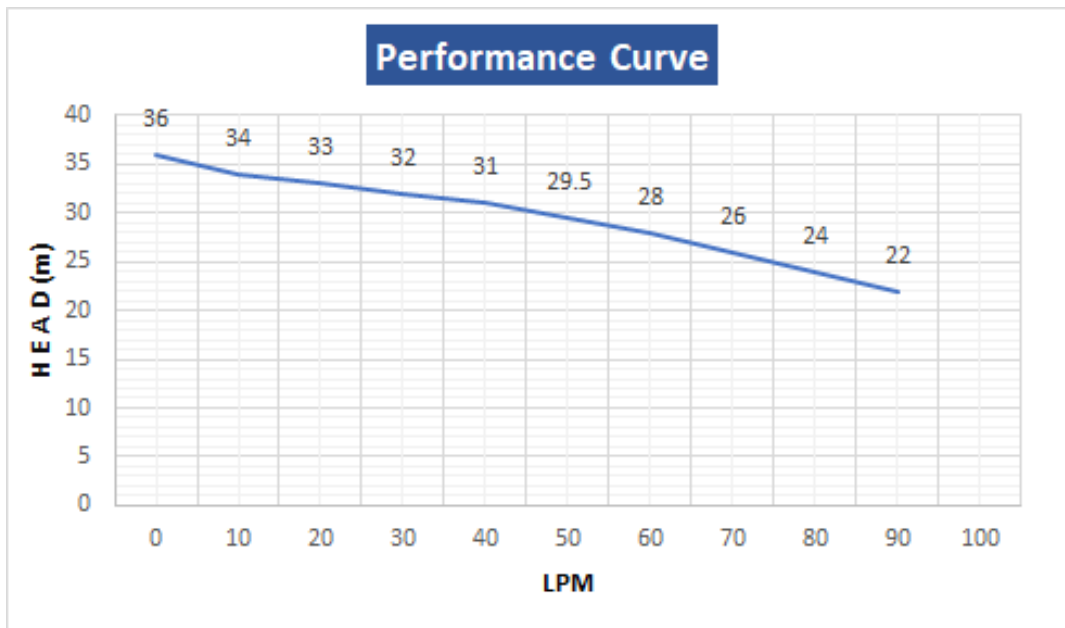
## Hydraulic Pump Performance Chart

Model	Power		Phase	Inlet / Outlet	Max. Flow (lpm)	Max. Head (m)	Max. Suction (m)
	KW	HP					
PCP-10	0.75	1	1 Phase	1"X1"	90	36	8

## Performance Chart

Model	Power		Q	M <sup>3</sup> /HR	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
	KW	HP		LPM	0	10	20	30	40	50	60	70	80	90	100
PCP-10	0.75	1	H Meters	36	34	33	32	31	29.5	28	26	24	22		

## Hydraulic Performance Curve



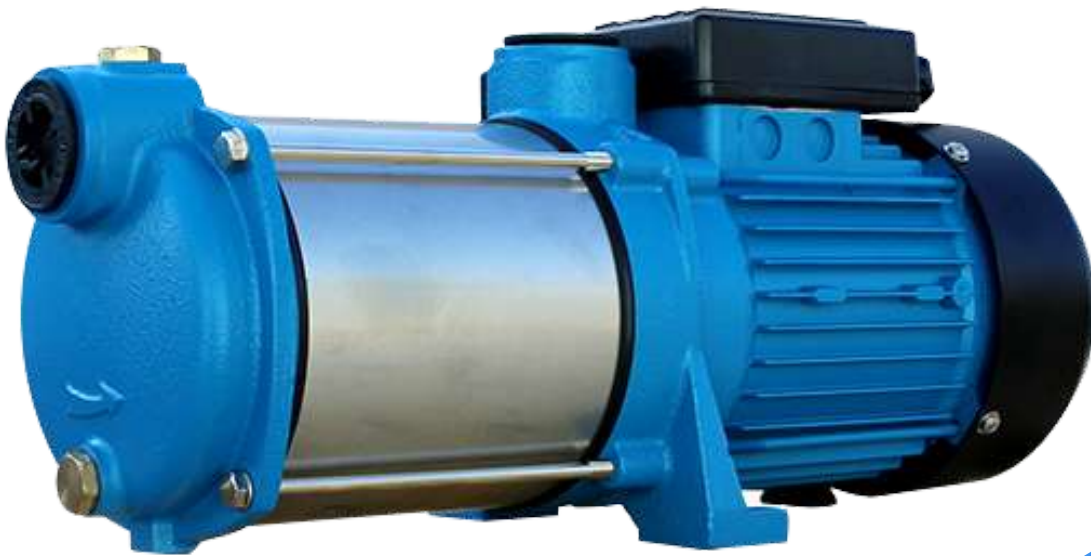
## Lawn sprinkler application and Irrigation





Quality, Reliability, Life

# Horizontal Multistage Pump (PHMP 60-3)



## Applications

- Household Water supply
- Equipment support
- Pipeline Pressurization
- Garden Watering
- Vegetable Greenhouse watering
- Fish farming and poultry raising
- Industrial and mining
- Water Supply and drainage of enterprises
- High-Rise buildings
- Central air conditioner
- Centralized heating circulation system etc.



## Performance Range

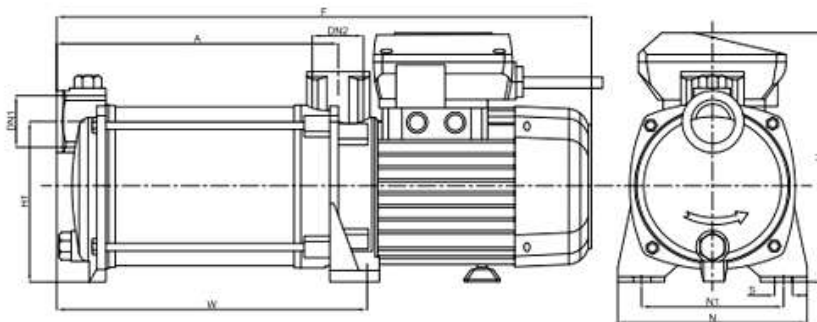
- Flow : Up to 60 LPM
- Head: Up to 40m
- Speed 2900 rpm
- Power 0.6Kw -0.75Kw.

## Motor

- Insulation Class :F
- Protection class : IP44
- Built-in thermal protector for single phase motor

## Application Limits

- Manometric Suction Lift Up to 8m
- Liquid Temperature between 0°C to +40°C
- Ambient Temperature Up to +40°C



## DIMENSIONS IN MM

MODEL	DN 1	DN 2	A	F	H	H1	H2	N	N1	W	S
PHMP60-3	1"	1"	170.5	362	180	121	31.5	150	120	188.5	10



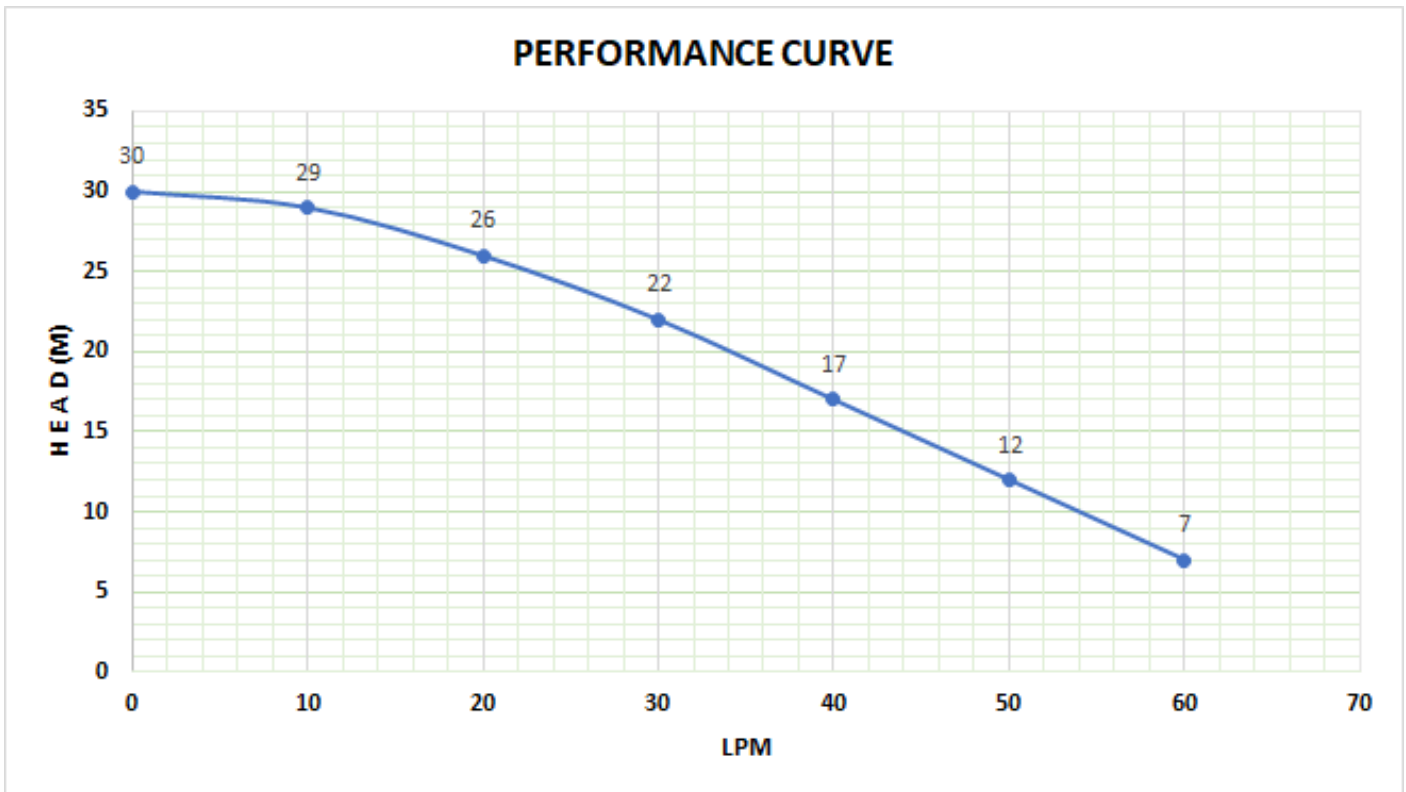
# HYDRAULIC PERFORMANCE CHART

MODEL	POWER		Q	M <sup>3</sup> /H	0	0.6	1.2	1.8	2.4	3	3.6
	KW	HP		LPM	0	10	20	30	40	50	60
PHMP 60-3	0.60	0.8	H(M)	30	29	26	22	17	12	7	

# PUMP SELECTION CHART

MODEL	POWER		PHASE	INLET/OUTLET	MAX. FLOE (LPM)	MAX. HEAD (M)	Max. Suction
	KW	HP					
PHMP 60-3	0.60	0.8	1 PHASE	1"X1"	60	30.0	8

# Hydraulic Performance Curve



Household Water supply Application



Garden Watering Application



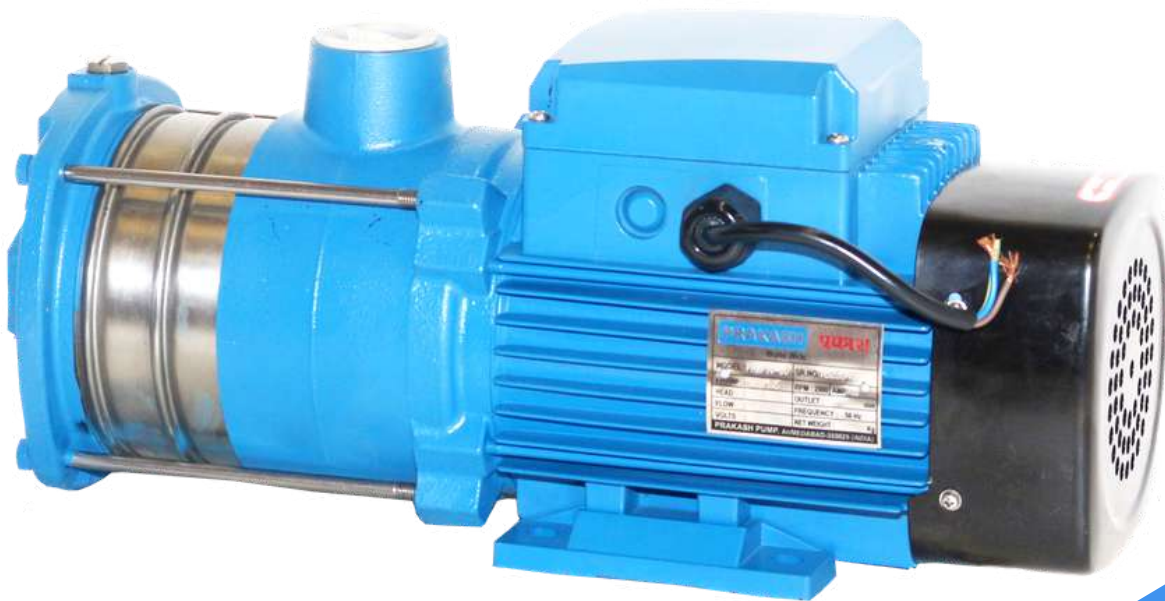
Industrial and mining Application





Quality, Reliability, Life

# Horizontal Multistage Stainless Steel Pump (PHMP 10-30)



## Applications

It is applicable to household water supply, equipment support.pipeline pressurization,garden watering vegetable greenhouse watering.fish farming and poultry raising industrial and mining, water supply and drainage of enterprises and high-rise buildings,central air conditioner and centralized heating circulation system ,etc.

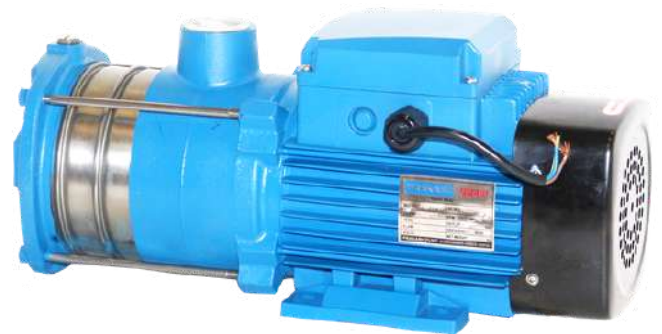
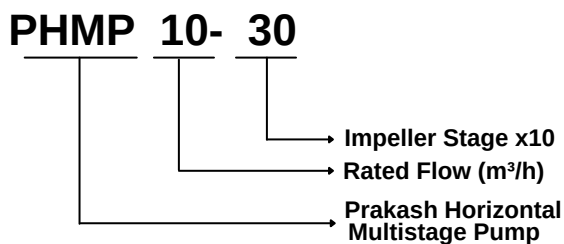
## Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class :F
- Protection class :IP55
- Power Supply : 220V +10%

## PUMP

- AISI 304 shaft
- Max. liquid temperature:+85°C
- Altitude:up to 1000m
- Max. suction : 8m
- Max.Inlet pressure : limited by max. operating pressure
- Max. operation pressure : 10 bar

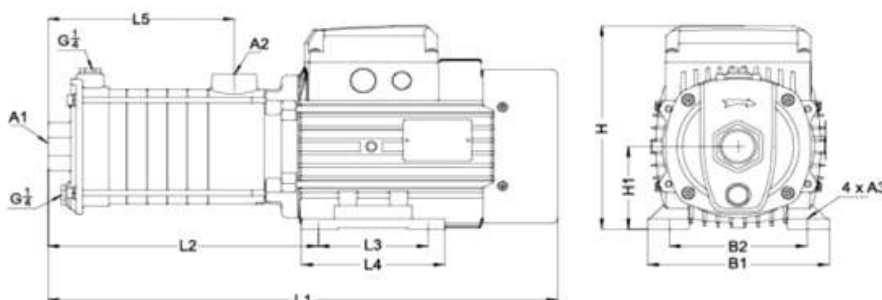
## Identification Codes



## Technical Data

MODEL	POWER		Q	M <sup>3</sup> /H	6	7	8	9	10	11	12
	KW	HP		LPM	100	117	133	150	167	183	200
PHMP 10-30	1.1	1.5	H(M)		27.1	26.3	24.9	23.4	21.4	19.3	16.9

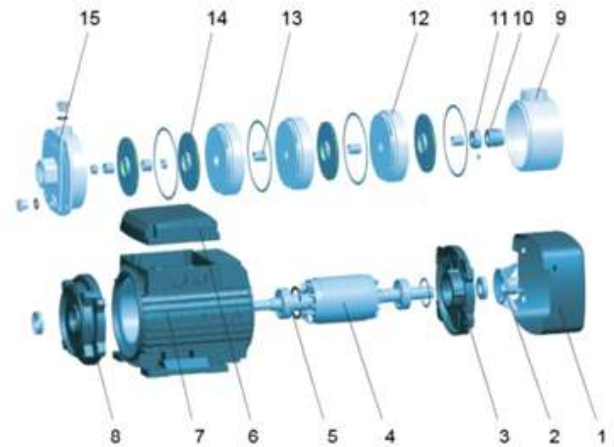
## Dimension



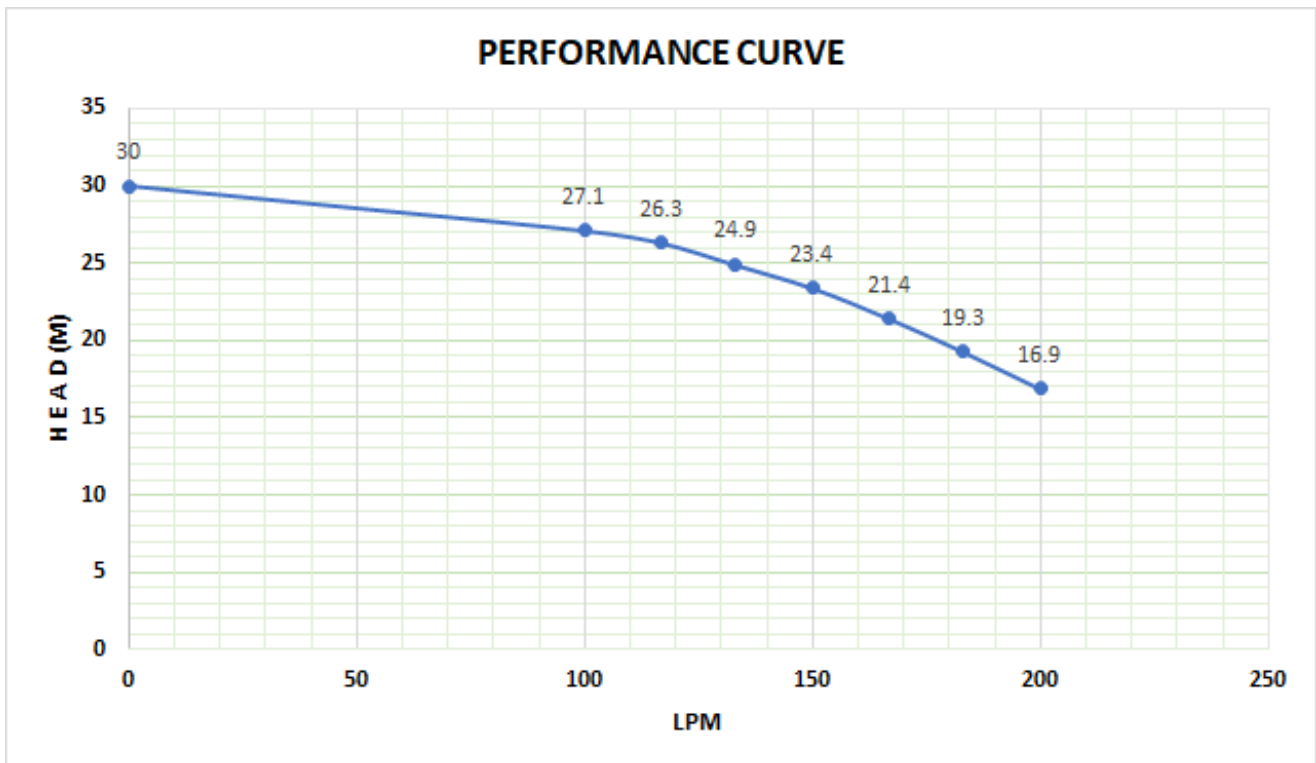
MODEL	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
PHMP 10-30	460.5	242.5	100	130	151.5	165	125	504.5	80	G1½	G1¼	Ø10

## Materials Table

No.	Part	Material
1	Fan Cover	08F
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal Box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet Body	Cast iron
10	Machanical seal	Sic/Carbon
11	Positioning sleeve	AISI 304
12	Diffuser	AISI 304
13	Sleeve	AISI 304
14	Impeller	Aisi 304
15	Pump body	Cast iron



## Hydraulic Performance Curve





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**PRAKASH**

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# SWIMMING POOL PUMP



## Applications

These series of swimming pool pumps are self-priming centrifugal pumps (with filter) It is mainly used in water circulation & filtration systems,

- like:-
- Hot Springs
  - Small and Medium Swimming Pools.
  - Water treatment Systems
  - Landscape Fountains.
  - Light Industries

## Series

These swimming pool pumps are medium swimming pool pumps and designed from Italy Technology

These have been specifically designed to incur perate features that will provide reliable and efficient pump operation.

## Quality

Excellent suction head, best performance, suitable pre-filter, stable running and low noise

## Usage

It is suitable small and medium swimming pool pump, landscape fountains in light industries.

## Technical Data

PUMP MODEL	RATED POWER (W)	PHASE	KW	HP	INLET / OUTLET (MM)	MAX. FLOW (M <sup>3</sup> /HR)	MAX. HEAD (m)	MAX. SUCTION (m)	PACKING DIMENSION (mm)
PSPP 1.5	1100	Single	1.1	1.5	50x50	22	17	3	585x220x290
PSPP 2.0	1600	Single	1.5	2	50x50	27	18	3	615x230x290
PSPP 3.0	2200	Three	2.2	3	50x50	30	19	3	615x230x290





Quality, Reliability, Life

# 6" SUBMERSIBLE PUMP STAINLESS STEEL (SP-M46A-10)



## Applications

- Domestic and community water supply
- Irrigation in horticulture and agriculture
- Drip and sprinkler application
- Booster application
- Civil and industrial application

## Specifications

- Water temperature: up to 35°C
- Minimum internal diameter of well: 6" Ø 150mm.
- Power: 4.0 to 37kw
- Capacity: up to 78m<sup>3</sup>/h
- Head : up to 446m
- Max. sand quality in to the water: 50g/m
- PH: 6.5-8.0

## Feature and benefits

- Pump sizes for connecting to motor according to NEMA standards.
- Delivery Casing with built-in non return valve for stop coming back water.
- Manufactured from corrosion resistant materials for long life impellers, diffuser, and Delivery Casing are S.S.AISI-304
- Specific impeller material selection ensures optimal performance in sandy bores.
- This type models feature independently floating centrifugal impellers to provide easy starting and long life automatically adjusting to match pumping conditions for various application.
- High quality shaft bearings providing low friction and high wear resistance
- Strong stainless steel drive shaft ensures positive impeller drive and longer life.

## Models

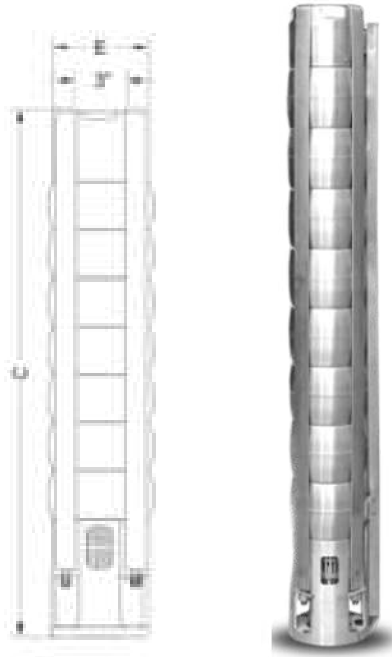
- Radial flow SP-R17A.
- Mixed flow SP-M30A, SP-M46A, SP-M60A



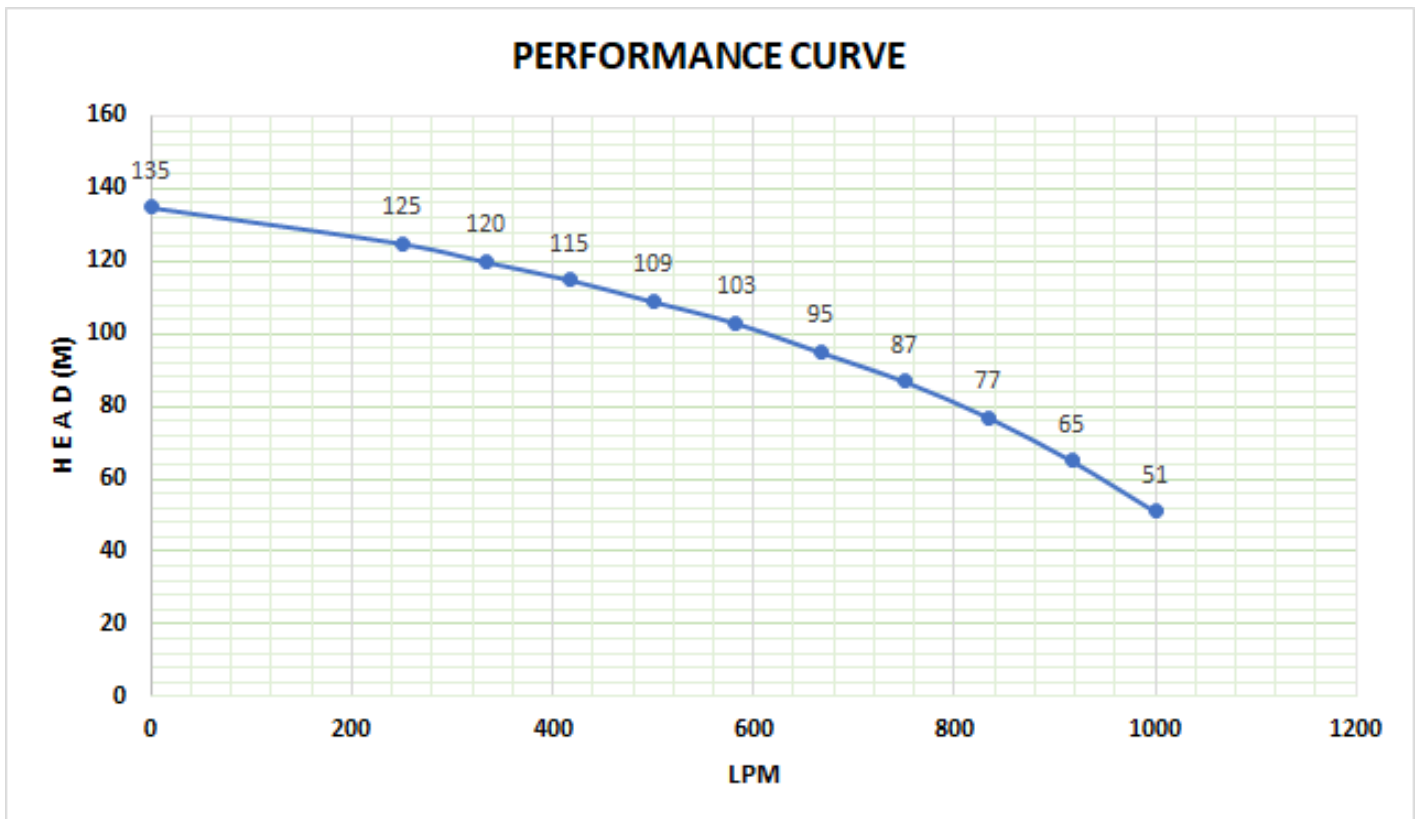


# Hydraulic Pump Performance Chart

MODEL	POWER		C	E	Pump weight (kg)	Q	M <sup>3</sup> /H	0	1	20	25	30	35	40	45	50	55	60
	KW	HP					LPM	0	250	333	417	500	583	667	750	834	917	1000
SP-M46A-10	15	20.0	1407.0	150.0	27.0	H(M)	135	125	120	115	109	103	95	667	77	65	51	



## Hydraulic Performance Curve





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# 4" SUBMERSIBLE MOTOR-PUMP SET SINGLE PHASE

## Applications

- Ground water supply to waterworks
- Irrigation in horticulture and agriculture
- Ground water lowering
- Pressure boosting
- Water treatment
- Civil and industrial application
- Fire fighting application

- Water temperature : up to 35°C
- Minimum internal diameter of well: 4" Ø100mm.
- Power : 1.1 to 5.5Kw
- Capacity : Up to 12m<sup>3</sup> /h
- Head : Up to 202m
- Max. sand quality in to the water : 50g/m<sup>3</sup>
- PH: 6.5 – 8.0
- Power supply:
- Single phase 230V ±10%, 50Hz

## Feature and benefits

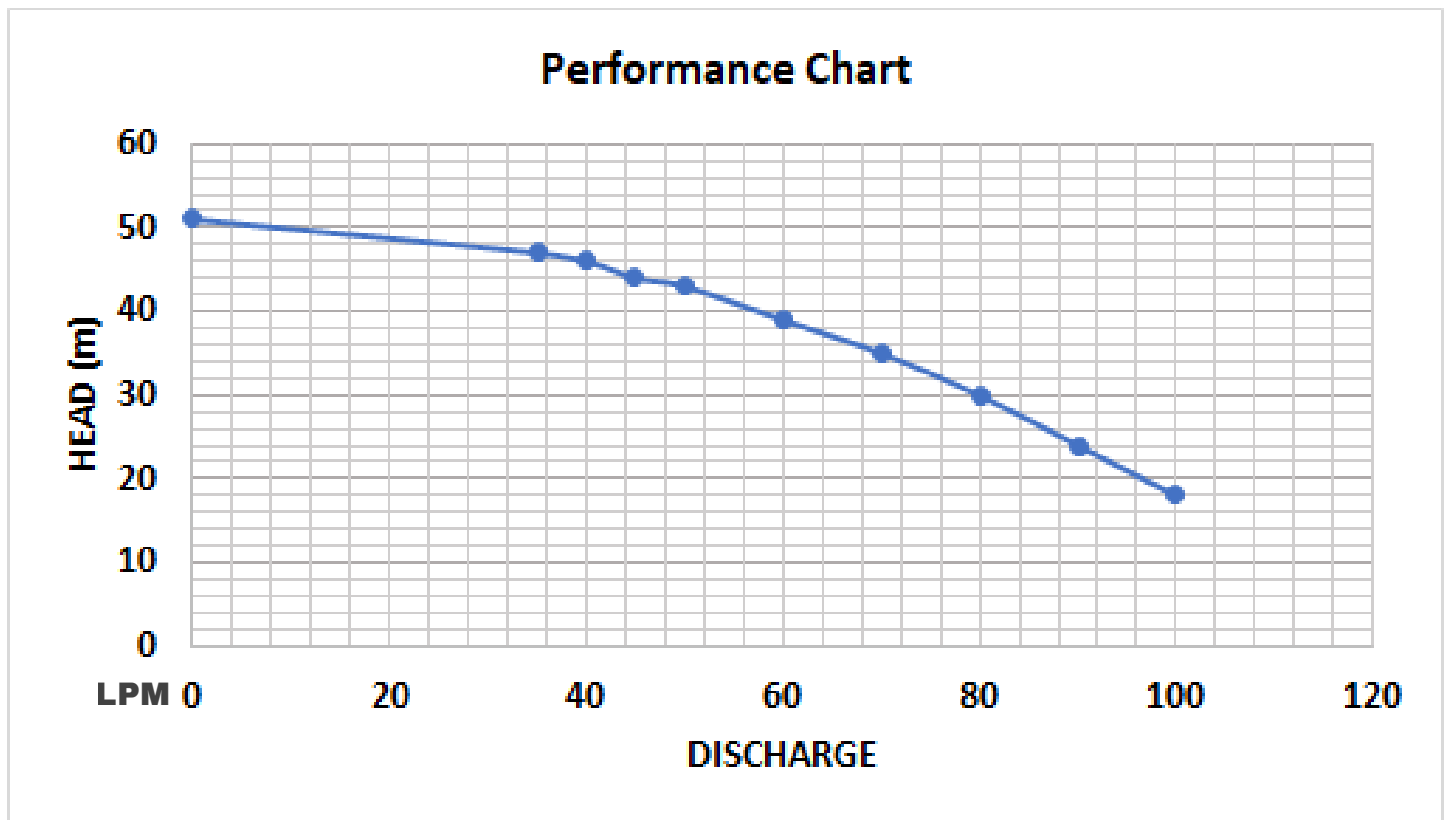
- Pump sizes for connecting to motor according to NEMA standards.
- Delivery Casing with built-in non return valve for stop coming back water.
- Manufactured from corrosion resistant materials for long life impellers, diffuser, and Delivery Casing are S.S.AISI-304.
- Specific impeller material selection ensures optimal performance in sandy bores.
- This type models feature independently floating centrifugal impellers to provide easy starting and long life-automatically adjusting to match pumping conditions for various application.
- High quality shaft bearings providing low friction and high wear resistance.
- Strong stainless steel drive shaft ensures positive impeller drive and longer life.
- Standard 2 pole speed motor (2850rpm) limits internal velocities for longer life.



# Motor Pump Set Selection & Performance Chart

Model	Stage	Power		H (mm)	Outlet Inch	US	0	9	11	12	13	16	18	21	24	26
		GPM	M <sup>3</sup> /H			0	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0	
		LPM	0			35	40	45	50	60	70	80	90	100		
PMP-0.75-88	6	0.75	1	1068	1.25"/1.5"	H (m)	51	47	46	44	43	39	35	30	24	18

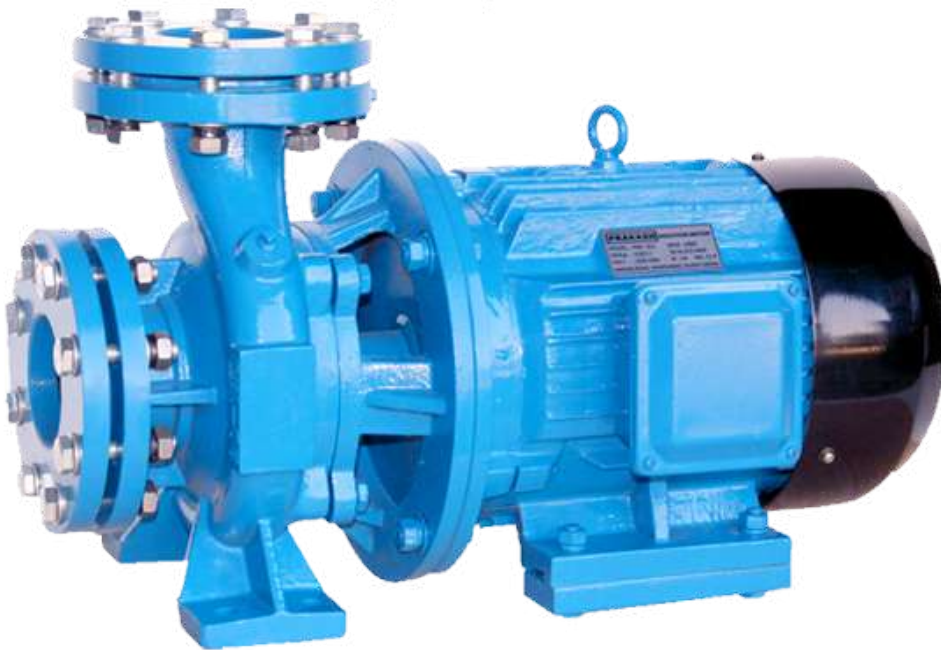
## Hydraulic Performance Curve





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# CENTRIFUGAL MONOBLOCK PUMPFOR AGRICULTURE (PCM-7.5A)



## Applications

- Agricultural
- Irrigation of Fields/Farms
- Industries
- Housing complexes
- Fire fighting system
- Community water supply

## Performance Range

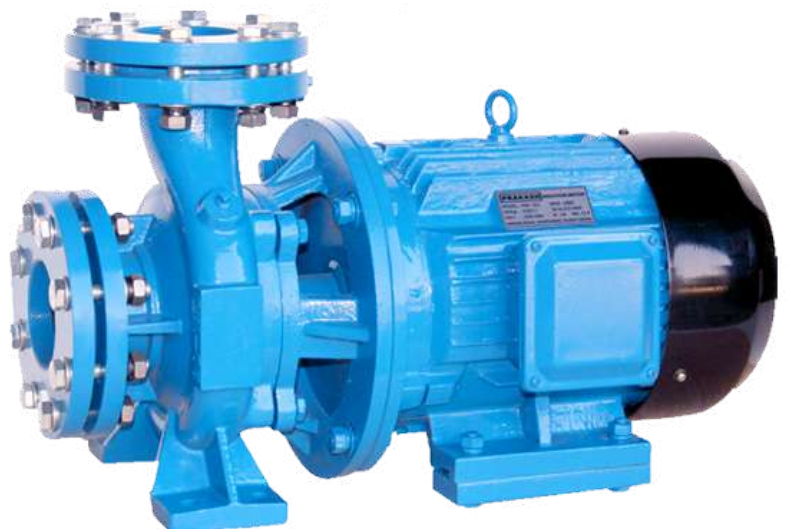
- Flow : Up to 80M<sup>3</sup>/H
- Head: 25m
- Speed 2900 rpm
- Power 5.5 Kw

## Application Limits

- Manometric Suction Lift Up to 8m
- Liquid Temperature between 0°C to 105°C
- Ambient Temperature Up to 40°C
- Max. Working Pressure 10 Bar

## Installation in applications

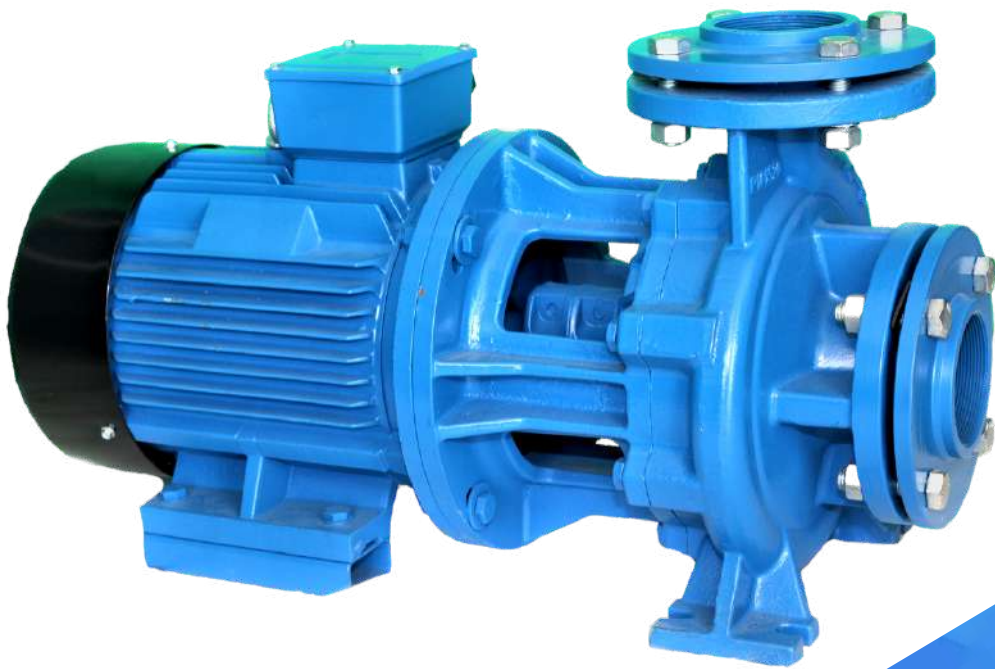
These pumps are ideal for pumping clean water and other chemically and mechanically nonaggressive liquids. These system can be installed in any position, provide the inlet opening faces upwards, and, thanks to it Special design which allows back pull out of the motor and the rotary parts of the pump and subsequent re-assembly without having to remove the pump body and the pipes connected to it – can be easily and conveniently used for a wide variety of applications in civil, agricultural, industrial or general plant uses. Water supply, spray or flowing irrigation, autoclave feed, high pressure system heating, conditioning and any other service requiring transfer of clean liquids.





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# PRAKASH SOLO POWER PUMP (PSPP-30)



## Applications

- Civil
- Agricultural
- Industrial or General Plant use.
- Water Supply
- Spray or flowing irrigation
- Autoclave feed
- High-pressure system
- Heating
- Conditioning and any other general service requiring transfer of clean liquids.

## Application Limits

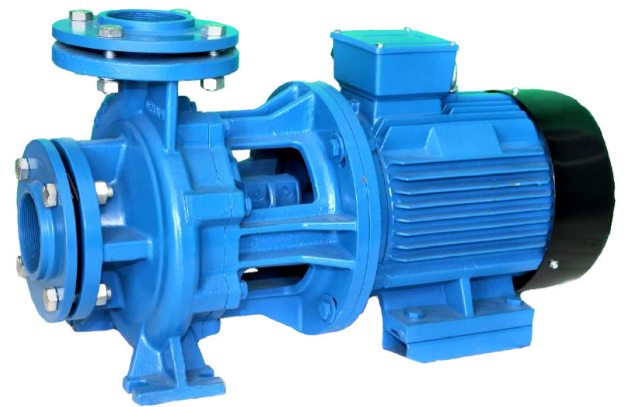
- Manometric Suction Lift Up to 8m to 10m
- Liquid Temperature between 10°C to 105°C
- Ambient Temperature Up to 40°C
- Max. Working Pressure 10 Bar
- 50 Hz

## Installation in applications

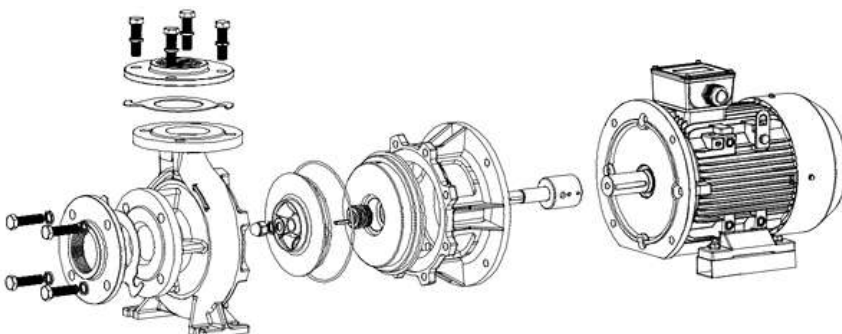
These pumps are ideal for pumping clean water and other chemically and mechanically non-aggressive liquids. These system can be installed in any position, provide the inlet opening faces upwards, and, thanks to their Special design-which allows back pull out of the motor and the rotary parts Of the pump and subsequent re-assembly without having to remove the pump Body and the pipes connected to it – can be easily and conveniently used for a wide variety of applications in civil, agricultural, industrial or general plant uses. Water supply, spray or flowing irrigation, autoclave feed, high pressure system heating, conditioning and any other service requiring transfer of clean liquids

## Performance Range

- Flow : Up to 1500 LPM
- Head: Up to 88m
- Speed 2900 rpm
- Power 2.2Kw – 22Kw



## Exploded View





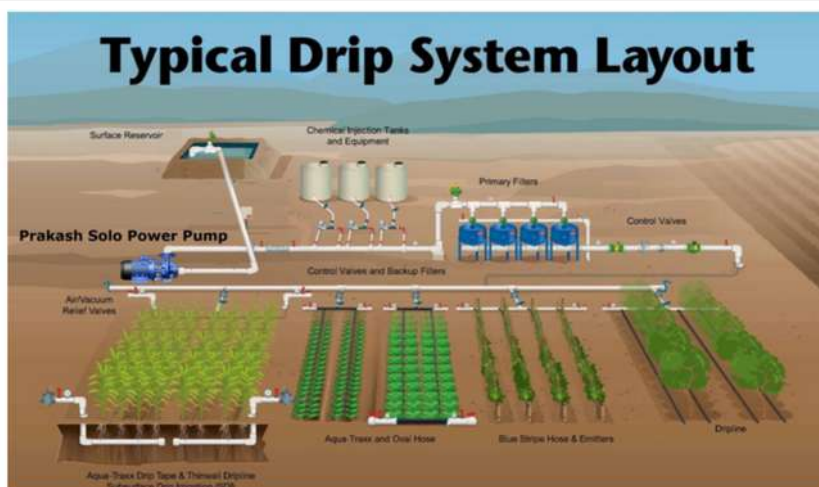
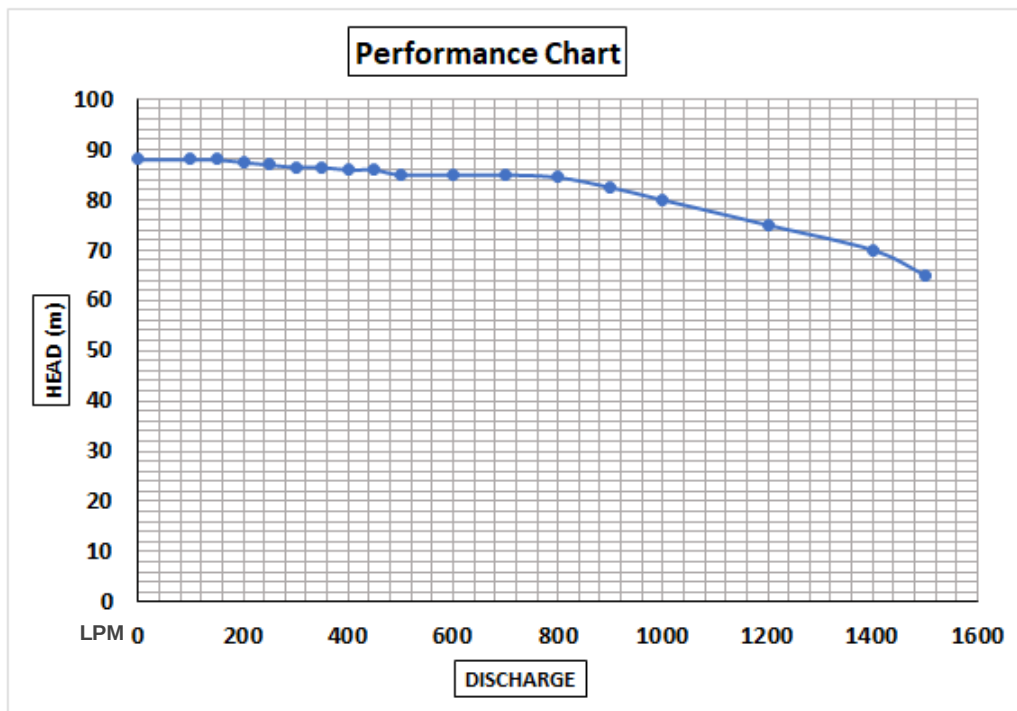
# Pump Selection Chart

Model	Power		Phase	Inlet Outlet	Max. Flow (lpm)	Max. Head (m)	Max. Suction (m)
	K W	HP					
PSPP-30	22	30	3 Phase	3"X3"	1500	88	8

# Hydraulic Pump Performance Chart

MODEL	POWER		Q	DISCHARGE																	
	KW	HP		M <sup>3</sup> /H	0	6	9	12	15	18	21	24	27	30	36	42	48	54	60	72	84
PSPP-30	22.0	30.0	H Meters	88	88	88	87.5	87	86.5	86.5	86	86	85	85	85	84.5	82.5	80	75	70	65

# Hydraulic Performance Curve





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## **PRAKASH PUMP**

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